

July 12, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ashok L. Cholli, Vijayendra Kumar, Ashish Dhawan, Jayant Kumar, Virinder Singh Parmar, Lynne Ann Samuelson, Ferdinando F. Bruno

Application No.: 10/761,933

Group: 1761

Filed: January 21, 2004

Examiner: Wong, Leslie A.

Confirmation No.: 2164

For: POLYMERIC ANTIOXIDANTS

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| CERTIFICATE OF MAILING OR TRANSMISSION | |
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on: | |
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
☐ a Statement under 37 CFR 1.97(e), as checked below, or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
☐ a Statement under 37 CFR 1.97(e), as checked below, and
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application file.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)*Applies to original applications (other than design) filed on or after May 29, 2000*

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references, AP, AQ, AL2-AQ2, AL3-AQ3, AL4-AQ4, AL5-AQ5, AL6-AQ6, AL7-AQ7, AL8-AQ8, AL9-AM9, AV2-AZ2, AR3-AZ3, AR4-AZ4, AR5-AZ5, AR6-AZ6, AR7-AY7, are enclosed.
- ☒ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [OPTIONAL [The earlier application contains copies of the cited references.]
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.
- ☒ The "concise explanation" requirement (non-English references) for references, AQ, AM2, AO2-AP2, AM3-AN3, AL4-AN4, AQ4, AL5, AQ5, AL7-AM7, AP7, AO8-AQ8 and AL9-AM9, Av4 and AX4-AZ4 under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ submission of the enclosed International Search Report.
 - ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
 - ☒ the enclosed English language abstract.

- ☐ Applicant requests that the following non-published pending applications be considered:
(Affix a label or apply the stamp "Non-Published IDS Reference - Do Not Scan" to the front of each unpublished pending appl'n.)

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner

Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By 

N. Scott Pierce

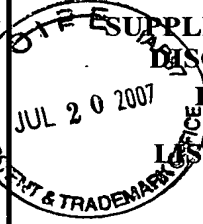
Registration No. 34,900

Telephone: (978) 341-0036

Facsimile: (978) 341-0136

Concord, MA 01742-9133

Dated: 7/17/07

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| Substitute for form 1449B/PTO  SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION LISTING OF REFERENCES July 12, 2007 (Use several sheets if necessary) | ATTORNEY DOCKET NO. 0813.2002-004 | | APPLICATION NO. 10/761,933 | |
| | FIRST NAMED INVENTOR Ashok L. Cholli | | FILING DATE January 21, 2004 | |
| | EXAMINER Wong, Leslie A. | | CONFIRMATION NO. 2164 | GROUP 1761 |

U.S. PATENT DOCUMENTS

| EXAM- INER INI- TIAL | REF. NO. | DOCUMENT NUMBER Number-Kind Code (if known) | ISSUE DATE / PUBLICATION DATE MM-DD-YYYY | NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT |
|-------------------------------|-------------|--|--|--|
| | AK | 3,441,545 | 04-29-1969 | Blatz, <i>et al.</i> |
| | AA2 | 5,911,937 | 06-15-1999 | Hekal |
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| | AC2 | 4,977,004 | 12-11-1990 | Bettle, III, <i>et al.</i> |
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| | AI3 | 2006/0128939 A1 | 06-15-2006 | Kumar, <i>et al.</i> |
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| | | DOCUMENT NUMBER Country Code-Number-Kind Code (if known) | DATE MM-DD-YYYY | NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT | TRANSLATION YES NO | |
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| | AP | EP 1 067 144 A1 | 01-10-2001 | Dainichiseika Color & Chemicals Mfg. Co. Ltd. | | |
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| | AL2 | GB 1 482 649 | 08-10-1977 | Polysar Ltd. | | |
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| | AN2 | WO 2003/087260 A1 | 10-23-2003 | University of Massachusetts Lowell and Government of the United States as represented by the Secretary of the Army | | |
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| | AP2 | NL 7 905 000 | 03-27-1980 | Cincinnati Milacron Chemicals, Inc. | | X |
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| | AL3 | WO 2004/050795 A2 | 06-17-2004 | Tufts University | | |
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| | AN3 | DE 197 47 644 A1 | 05-06-1999 | Institut for Polymerforschung Dresden | | X |
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|--|-----|--|--------------------|--|--------------------|----|
| | AM4 | JP 44028850 | 11-26-1969 | Mitsubishi Rayon Co., Ltd. | | X |
| | AN4 | JP 44024274 | 10-14-1969 | Mitsubishi Rayon Co., Ltd. | | X |
| | AO4 | EP 0 688 805 A1 | 12-27-1995 | Mitsui Toatsu Chemicals, Incorporated | | |
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| | AL5 | JP 09262069 | 10-07-1997 | Yanagiya Honten KK | | X |
| | AM5 | WO 2006/104957 A2 | 10-05-2006 | Polnox Corporation | | |
| | AN5 | WO 2005/025646 A2 | 03-24-05 | United States Government as represented by the Secretary of Army | | |
| | AO5 | WO 2005/025513 A2 | 03-24-05 | The Regents of the University of California | | |
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| | AQ5 | FR 2 183 973 | 12-21-1973 | Sandoz SA | | X |
| | AL6 | WO 2006/018403 A1 | 02-23-2006 | Ciba Specialty Chemicals Holding Inc. | | |
| | AM6 | 1 389 442 | 04-03-1975 | Kodak Limited | | |
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| | | DOCUMENT NUMBER Country Code-Number-Kind Code (if known) | DATE MM-DD-YYYY | NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT | TRANSLATION YES NO | |
|--|-----|--|--------------------|--|-----------------------|---|
| | AP6 | WO 2004/024070 A2 | 03-25-2004 | The Government of the United States of America as Represented by the Secretary of the Department of Health and Human Services and Chiba University | | |
| | AQ6 | EP 0 618 203 A1 | 10-05-1994 | Mitsui Norin Co., Ltd. | | |
| | AL7 | JP 11-158103 | 06-15-1999 | Tosoh Corp | | X |
| | AM7 | JP 11-80063 | 03-23-1999 | Agency Ind Science Techn | | X |
| | AN7 | WO 2006/060801 A2 | 06-08-2006 | Polnox Corporation | | |
| | AO7 | WO 2005/070974 A2 | 08-04-2005 | University of Massachusetts Lowell | | |
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| | AM8 | WO 03/102004 A1 | 12-11-2003 | CIBA Specialty Chemicals Holdings Inc. | | |
| | AN8 | WO 2005/060500 A2 | 07-07-2005 | Dover Chemical Corporation | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| | | DOCUMENT NUMBER Country Code-Number-Kind Code (if known) | DATE MM-DD-YYYY | NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT | TRANSLATION YES | NO |
| | AM9 | JP 49 29339 | 03-15-1974 | Adeka Argus Chemical Co., Ltd. | | X |
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| AV2 | Jialanella, G. and Pirlma, I., "Synthesis of Poly(vinyl alcohol-co-vinyl gallate) by the Chemical Modification of Poly(vinyl alcohol)," <i>Polymer Bulletin</i> 18:385-389 (1987). |
| AW2 | Jayaprakasha, G.K., <i>et al.</i> , "Antioxidant Activity of Grape Seed (<i>Vitis vinifera</i>) Extracts on Peroxidation Models In Vitro," <i>Food Chemistry</i> , 73:285-290 (2001). |
| AX2 | Hidalgo, M.E., <i>et al.</i> , "Antioxidant Activity of Depsides and Depsidones," <i>Phytochemistry</i> , 37(6):1585-1587 (1994). |
| AY2 | Khan, K.M., <i>et al.</i> , "An Expedient Esterification of Aromatic Carboxylic Acids Using Sodium Bromate and Sodium Hydrogen Sulfite," <i>Tetrahedron</i> 59(29):5549-5554 (2003). |
| AZ2 | March, J., <i>Advanced Organic Chemistry</i> , McGraw Hill Book Company, New York, pp 251-259 (1977). |
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| AS3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420027, Beilstein Registry Number 3517906. |
| AT3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420028, Beilstein Registry Number 5840042. |
| AU3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420029, Beilstein Registry Number 2311871. |
| AV3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420030, Beilstein Registry Number 8876646. |
| AW3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420031, Beilstein Registry Number 2271400. |
| AX3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420032, Beilstein Registry Number 2212095. |
| AY3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420033, Beilstein Registry Number 8941955. |
| AZ3 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420034, Database Accession No. 2312425. |
| AR4 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420035, Beilstein Registry Number 905950. |
| AS4 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420036, Beilstein Registry Number 2140308. |
| AT4 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420037, Beilstein Registry Number 134886. |
| AU4 | Database Beilstein [online] Beilstein Institut Zur Förderung Der Chemischen Wissenschaften; XP002420038, Beilstein Registry Number 1961007. |

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| Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION LISTING OF REFERENCES July 12, 2007 (Use several sheets if necessary) | ATTORNEY DOCKET NO. 0813.2002-004 | | APPLICATION NO. 10/761,933 | |
| | FIRST NAMED INVENTOR Ashok L. Cholli | | FILING DATE January 21, 2004 | |
| | EXAMINER Wong, Leslie A. | CONFIRMATION NO. 2164 | GROUP 1761 | |

| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | |
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| AW4 | Masada, H. and Oishi, Y., "A New Synthesis of aryl <i>t</i> -butyl Ethers," <i>Chem. Letters</i> , 57-58 (1978). |
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| Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION LISTING OF REFERENCES July 12, 2007 (Use several sheets if necessary) | ATTORNEY DOCKET NO. 0813.2002-004 | APPLICATION NO. 10/761,933 | |
| | FIRST NAMED INVENTOR Ashok L. Cholli | FILING DATE January 21, 2004 | |
| | EXAMINER Wong, Leslie A. | CONFIRMATION NO. 2164 | GROUP 1761 |

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